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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/678,892	10/03/2003		Frank David Gallo	TUC920010084US1	2328
7590 03/24/2006			EXAMINER		
IBM Corpora	tion		SCHLIE, PAUL W		
Intellectual Pro	perty Lav	v		f=	
(90A/9032-1)				ART UNIT	PAPER NUMBER
9000 South Rit	a Road		2186		
Tucson, AZ 85744				DATE MAILED: 03/24/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/678,892	GALLO, FRANK DAVID
Office Action Summary	Examiner	Art Unit
	Paul W. Schlie	. 2186
The MAILING DATE of this communication app		
Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re will apply and will expire SIX (6) MONT , cause the application to become AB/	CATION. pply be timely filed IHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on <u>09 M</u>	arch 2006.	
2a)⊠ This action is FINAL . 2b)□ This	action is non-final.	
3) Since this application is in condition for allowar closed in accordance with the practice under E	·	
Disposition of Claims		·
4)⊠ Claim(ş) <u>1-24</u> is/are pending in the application.		
4a) Of the above claim(s) is/are withdraw	vn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-24</u> is/are rejected.	•	
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or	r election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examine	r	
10)⊠ The drawing(s) filed on <u>03 October 2003</u> is/are:	a)⊠ accepted or b)⊡ ob	pjected to by the Examiner.
Applicant may not request that any objection to the	= ' '	
Replacement drawing sheet(s) including the correct		
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached	Office Action of form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. §	119(a)-(d) or (f).
1. Certified copies of the priority documents	s have been received.	
Certified copies of the priority documents	s have been received in Ap	oplication No
3. Copies of the certified copies of the prior	•	received in this National Stage
application from the International Bureau		
* See the attached detailed Office action for a list	ot the certified copies not r	received.
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		·
Attachment(s)		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413))/Mail Date
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		formal Patent Application (PTO-152)

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DETAILED ACTION

1. Claims 1-24 have been examined.

Response to Arguments

Applicant's arguments filed 3/9/06 have been fully considered but they are not 2. persuasive.

As per independent claims 1, 9, 17, and correspondingly dependant claims rejected under 35 U.S.C. 103, as Gallo acknowledges as prior art that addresses associated with physical locations utilized to store storage media may be assigned in sequential order as encountered within a similar storage system for similar purposes, and such a method may be considered likely inherent although not explicitly disclosed by Korngiebel, in further view that it may be considered obvious to one of ordinary skill in the art that just about anything may be so uniquely numbered as may be desired (such as people standing in a line who may be asked to "count-off", or parking spaces may be numbered in a parking lot for vehicles such that each vehicle may be associated with a unique physical parking space, etc.), thereby the motivation to combine to simply associate unique identifiers with correspondingly unique physical locations and/or objects is considered correspondingly obvious to one of ordinary skill in the art at the time of the claimed invention; thereby the rejection is sustained.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all 3. obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korngiebel et al. (5,416,914) in further in view of Gallo (US App. 10/678,892).

As per claims 1-4, 9-12, 17-20, Korngiebel teaches an automated data storage library system which may be composed of multiple storage frames/modules, comprising multiple storage shelves/racks, comprising storage cells/locations for storage media (see figure 1-11 column 2 lines 18-31), and accessed as required as a sub-component of a logical library comprised of an arbitrary set of arbitrarily located potentially dissimilar storage media (see figures 13-14, column 3 lines 36-48), thereby implying that their logical addressing and/or association with an arbitrary logical library need not be restricted as a function of their physical location; but does not explicitly teach that such media logical shelf/location addresses may be allocated sequentially within the group of similar media types. However Gallo teaches within the "Background of the Invention" section that it is understood as prior art that "Storage shelf addresses are typically assigned in a sequential order as storage shelves are encountered within each frame" (see page 2 lines 15-16). Therefore it is considered obvious to one of ordinary skill in the art to combine the two, for the benefit of assigning unique sequential logical address to each storage shelf (and presumably media cells/locations) as may be desired without concern for which frame/module they may physically reside.

As per claims 5, 13 and 21, being correspondingly dependant on claim 1, 9, or 17; Korngiebel further teaches that the aforementioned movable storage media may correspondingly labeled with optical bar-code labels such that they may be identified

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and cataloged with the aid of an automated robotic accessor/armature equipped with a corresponding sensor such that they may be associated with a physical location (see figures 11-12, column 3 lines 1-12), but does not explicitly teach that a media storage frame may be itself considered to be a mobile storage container and correspondingly so labeled and identified. However within such a storage system, it is considered as being obvious to one of ordinary skill in the art to correspondingly label any container which may be both mobile and contain storage media as taught by Korngiebel, for the benefit of both its identification, and subsequent utilization.

As per claims 6-8, 14-16 and 22-24, being correspondingly dependant on claim 1, 9 or 17, Korngiebel further teaches that the aforementioned storage media may be configured into logical libraries where each may be composed of one or more storage frames configured for the same media type; where a directory identifying the type of storage media stored within a frame/module and correspondingly their addressed locations within a storage frame/module's shelf/rack (see figures 13-14, column 3 lines 36-48); but does not explicitly teach the prior determination of addressable storage media locations. However as their determination is obviously necessary as a prerequisite to their utilization, it is considered obvious to one of ordinary skill in the art to first determine a storage system's location's addressable storage locations prior to associating a physical storage media with them.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul W. Schlie whose telephone number is 571-272-

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6765, or whose email address is [paul.schlie@uspto.gov]. The examiner can normally

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be reached on Mon-Thu 8:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Kim can be reached on 517-272-4182. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

PIERRE BATAILLE RIMARY EXAMINER

3/16/06